



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NEBRASKA, South Central

Kearney County									
1 E Norman	11	1440CST			0	0	0	0	Hail(0.75)
Kearney County									
3 SW Minden	11	1448CST			0	0	0	0	Hail(1.00)
Webster County									
11 N Red Cloud	11	1448CST			0	0	0	100K	Hail(1.00)
Adams County									
2 S Roseland	11	1509CST			0	0	0	0	Hail(0.88)
Furnas County									
3 SE Hollinger	11	1510CST			0	0	0	0	Hail(0.75)
Adams County									
2 S Ayr	11	1514CST			0	0	0	0	Funnel Cloud
Kearney County									
1 E Minden	11	1520CST			0	0	0	0	Funnel Cloud
Adams County									
3 SW Hastings	11	1526CST			0	0	0	0	Hail(0.88)
Adams County									
1 S Hastings	11	1540CST			0	0	25K	75K	Hail(1.50)
Adams County									
3 S Hastings	11	1552CST			0	0	25K	75K	Hail(1.75)
Buffalo County									
1 W Gibbon	11	1553CST			0	0	0	0	Hail(0.75)
Dawson County									
Gothenburg	11	1603CST			0	0	0	0	Hail(1.00)
Buffalo County									
Gibbon	11	1608CST			0	0	0	0	Hail(0.75)
Adams County									
10 S Hastings to 5 N Hastings	11	1610CST 1635CST			0	0	40M	2.5M	Hail(2.75)

A super cell thunderstorm pummeled the Hastings area with baseball size hail, torrential rain and strong winds. The hail was as large as baseballs, and was reported anywhere from about 10 miles south of Hastings to 5 miles north of Hastings. Damage was widespread throughout the central part of the county.

Gosper County									
8 S Elwood	11	1610CST			0	0	0	0	Hail(0.88)
Gosper County									
5 W Elwood	11	1619CST			0	0	0	0	Hail(1.00)
Adams County									
3 NW Kenesaw	11	1623CST			0	0	50K	0	Hail(1.50)
Gosper County									
8 S Elwood	11	1630CST			0	0	0	0	Thunderstorm Wind (EG51)
Clay County									
1 N Sutton	11	1653CST			0	0	0	0	Hail(1.00)
Adams County									
5 E Hastings	11	1657CST			0	0	0	0	Funnel Cloud
Dawson County									
1 W Lexington	11	1705CST			0	0	25K	0	Hail(1.75)



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NEBRASKA, South Central

Gosper County									
Johnson Res	11	1718CST			0	0	25K	0	Thunderstorm Wind (EG61)
Dawson County									
Lexington	11	1720CST			0	0	25K	0	Hail(1.75)
Hall County									
2 N Wood River	11	1728CST			0	0	0	0	Hail(1.00)
Dawson County									
6 SE Gothenburg	11	1730CST			0	0	40K	0	Thunderstorm Wind (EG61)
Dawson County									
1 S Overton	11	1736CST			0	0	0	0	Hail(1.00)
Dawson County									
4 S Darr	11	1740CST			0	0	40K	0	Thunderstorm Wind (EG61)
Gosper County									
7 NE Elwood	11	1740CST			0	0	25K	0	Thunderstorm Wind (EG51)
Dawson County									
Countywide	11	1800CST 2350CST			0	0	3M	1M	Flash Flood
Dawson County									
6 W Lexington	11	1800CST			0	0	0	0	Thunderstorm Wind (EG51)
Buffalo County									
6 NW Amherst	11	1815CST 1835CST			0	0	50K	250K	Hail(1.75)

Three different hail storms were reported over a 20 minute period, with hail sizes ranging from dime to golf balls.

Buffalo County									
1 NE Elm Creek	11	1830CST			0	0	100K	100K	Thunderstorm Wind (EG51)
Buffalo County									
Odessa	11	1857CST			0	0	0	0	Funnel Cloud
Adams County									
Countywide	11 12	1900CST 0200CST			0	0	10M	5M	Flash Flood
Buffalo County									
Countywide	11 12	1900CST 0200CST			0	0	2M	5M	Flash Flood
Gosper County									
Countywide	11 12	1900CST 0200CST			0	0	1M	250K	Flash Flood
Hall County									
Countywide	11 12	1900CST 0200CST			0	0	10M	5M	Flash Flood

Torrential rainfall of 5 to 11 inches during the evening led to widespread flash flooding over Adams, Buffalo, and Hall counties throughout the evening.

Hamilton County									
Countywide	11 12	1900CST 0200CST			0	0	2M	500K	Flash Flood
Howard County									
South Portion	11 12	1900CST 0200CST			0	0	2M	250K	Flash Flood
Kearney County									
Countywide	11 12	1900CST 0200CST			0	0	3M	1M	Flash Flood



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<u>NEBRASKA, South Central</u>									
Merrick County									
Countywide	11 12	1900CST 0200CST			0	0	3M	500K	Flash Flood
Nance County									
Countywide	11 12	1900CST 0200CST			0	0	1M	250K	Flash Flood
Phelps County									
Countywide	11 12	1900CST 0200CST			0	0	1M	500K	Flash Flood
Adams County									
Prosser	11	1908CST			0	0	0	0	Hail(1.00)
Phelps County									
Holdrege	11	1915CST			0	0	0	0	Hail(1.00)
Hall County									
Grand Is	11	1917CST 1925CST			0	0	10K	0	Hail(1.00)
Fillmore County									
6 W Milligan	11	1954CST			0	0	0	0	Hail(1.25)
Fillmore County									
Exeter	11	2011CST			0	0	0	0	Hail(1.25)
Clay County									
Sutton	11	2025CST			0	0	25K	100K	Hail(1.75)
York County									
Mc Cool Jct	11	2057CST			0	0	0	0	Hail(1.00)
Fillmore County									
Countywide	11 12	2100CST 0300CST			0	0	2M	1M	Flash Flood
York County									
Countywide	11 12	2100CST 0300CST			0	0	2M	1M	Flash Flood
Hall County									
Wood River	11	2105CST	0.1	30	0	0	125K	0	Tornado (F0)
A brief tornado hit a house on the south side of Wood River.									
Buffalo County									
Shelton	11	2114CST			0	0	25K	0	Hail(1.75)
Hall County									
1 S Grand Is	11	2115CST			0	0	0	0	Hail(1.00)
York County									
Mc Cool Jct	11	2122CST			0	0	0	0	Hail(1.25)
Hall County									
Wood River	11	2127CST			0	0	50K	250K	Hail(1.75)
Fillmore County									
Grafton	11	2133CST			0	0	50K	0	Thunderstorm Wind (EG61)
York County									
2 S Mc Cool Jct	11	2133CST			0	0	75K	0	Thunderstorm Wind (EG61)
Adams County									
Prosser	11	2135CST			0	0	100K	0	Thunderstorm Wind (EG61)
Hall County									
Grand Is	11	2221CST			0	0	100K	0	Hail(2.00)



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NEBRASKA, South Central

Fillmore County

Shickley	11	2233CST			0	0	0	0	Hail(1.00)
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Buffalo County

4 S Pleasanton	11	2300CST			0	0	75K	250K	Hail(1.75)
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Buffalo County

13 NW Pleasanton	11	2308CST			0	0	75K	250K	Hail(1.75)
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Merrick County

Central City	12	0014CST			0	0	500K	0	Thunderstorm Wind (EG72)
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Though well predicted, the severe weather and flooding on the night of May 11 was even worse than imagined. Thunderstorms ravaged a large part of south central Nebraska with hail, high winds, a tornado and catastrophic flooding.

During evening and early morning hours, 4 to 12 inches of fell from Dawson County east to York County. At Kenesaw and Wood River, over 11 inches of rain was measured. The city of Grand Island set a rainfall record for a single event with 7.21 inches of rain. Statically, this event was a 100 year rain and flood event for the area.

In Wood River, 12 people were evacuated due to rising water. It was estimated every structure in Wood River sustained some sort of storm damage and wave after wave of severe thunderstorms pounded the town. Twelve homes sustained severe damage. The Wood River crested at 9 feet in town and flooding most streets. Thirty-six homes were evacuated in the city of Grand Island as flooding was rampant over the west and north part of the city. The city's sewer system handled about 75 million gallons of water, or about 6 times the normal amount during the storm. Many parts of the business and residential districts sustained flood damage as the Prairie, Silver and Moores Creeks flooded. The Wood River near Alda, which had been dry for three years, tied a record with a crest of 12.2 feet early on the 12th. Elsewhere, three miles of roads were washed out in Kearney County and 15 miles of roads were damaged in Merrick County. Ten bridges were damaged in Merrick County as well. In York County, emergency rescues, one by helicopter and one by air boat, were made to retrieve stranded people trapped by flood waters southeast of Waco and near McCool Junction. Water was over Highway 81 north of Fairmont at the height of the event. In Fillmore and York counties, 5 to 8 inches of rain fell. Further west, a section of Highway 40 was washed out near Miller. Flood damage was in the tens of millions of dollars, with 12 to 15 million dollars in damage in Hall County alone.

As flooding rains soaked the region, large hail, high winds and one tornado pounded the area. Hastings was particularly hard hit as baseball size hail and high winds belted the city for about 20 minutes. Literally, thousands of vehicles and homes sustained damage, especially on the east side of town, including downtown. Damage was estimated at 40 million, and that may be conservative and insurance agencies processed claims. State Farm Insurance was expecting to process 3,000 claims alone. Thirty-three people left their homes for shelter provided by the city. In Wood River, a tornado clipped the south side of town. In Merrick County, two Union Pacific trains derailed due to high winds and a tower for KMMJ radio was blown down north of town. A communications tower was also destroyed in Buffalo County by high winds. There were widespread, though brief, power outages in the area. At one point, about 60 percent of the city of Lexington was without power. Twelve center pivot irrigation systems were damaged in Fillmore County. High winds destroyed a barn southeast of Gothenburg and grain binds south of Darr in Dawson County. Officials estimate, 2800 homes and businesses had damaged in Grand Island. Both Hall and Adams Counties were declared Federal Disasters Areas